
Message Registration

Message Registration allows hotel management to monitor all completed local calls made from the hotel telephone system. Each DN and trunk in your system can have a meter assigned, which stores a pulse count for calls made. You can access these meters using your terminal.

Outgoing calls from guest room telephones are usually monitored for billing and other administrative purposes. Meters can also be assigned to any administration telephones and trunks the hotel management wishes to monitor.

Any pulses the system cannot assign to a particular DN or trunk meter are accumulated in the customer meter. This meter can be accessed using your terminal just as the others can, but it cannot be turned off.

The commands you need to retrieve, alter, or print the contents of the meters in your system are explained in this section. Any reply to your Message Registration commands will identify the type of meter concerned: administration (ADMN) or guest room (ROOM) telephone, Attendant Console (ATTN), trunk (TRK), or the customer meter (CUST).

You can turn meters on and off as required (see [“Turn meters on and off” on page 80](#)). You can also get a continuous printout or display of Message Registration changes as they occur.

Refer to *X11 features and services* for more information regarding Message Registration.

Set meters to a given value

You can use your terminal to set meters in your Meridian 1 system to any given value. You can use meter values to figure total call charges for metered calls. You can set meter values for a single DN, a group of consecutive DNs, or all DNs.

- To set the meter for one DN:

SEt MEter dn VAlue n <CR>

- To set the meters for a group of consecutive DNs:

SEt MEter dn1 dn2 (VAlue) n <CR>

- To set the meters for all DNs:

SEt MEter ALl (VAlue) n <CR>

- To enter the next meter change you want to make, you can type in the DN and the value you want. Just enter dn n <CR>.

- To change the value of the Customer meter:

SEt MEter CUstomer (VAlue) n <CR>

Operating parameters

When setting the meters for a group of consecutive DNs, the second DN entered must be a higher number than the first and can be in the range 0–32766.

You can use X substitution (see [“Define options for the Set command” on page 17](#)). For example, **SEt MEter 32X VAlue 1** will set all the meters 320–329 to the value 1.

The response shown in the examples appears only if the COntain option is on (see [“Define options for the Set command” on page 17](#)).

You may not be able to SEt all DNs at once if the ALl option is not on (see [“Define options for the Set command” on page 17](#)).

You may not be able to SEt a group of consecutive DNs if the RAnge option is not on (see [“Define options for the Set command” on page 17](#)).

Using DN and VAlue only to enter a list of meter changes, as in Step 3, is valid only immediately following a SEt MEter command.

The word VAlue is required for one DN, but is optional in other cases.

Table 21
Using the Set command for Message Registration

Input Response		Comments
SEt MEter 1535 VALUE 1		Meter for one DN
ROOM METER	1535 7 TO 1	DN 1535 was set to 7 but is now set to one.
SEt MEter 1500 1504 (VALUE) 1		Meters for a group of consecutive DNs
ROOM METER	1500 DISP ZERO TO DISP 1	
ROOM METER	1501 DISP 1 TO DISP 1	DN 1501 was set to one and is unchanged.
ROOM METER	1502 DISP ZERO TO DISP 1	
ROOM METER	1503 DISP ZERO TO DISP 1	
ROOM METER	1504 DISP 6 TO DISP 1	DN 1504 was set to 6 but is now set to one.
SEt MEter ALI (VALUE) 1		Meters for all DNs
ROOM METER	1000 ZERO TO 1	
ROOM METER	1001 2 TO 1	
ROOM METER	1002 ZERO TO 1	
SEt MEter 1206 VALUE 2		See Note
1308	3	
1596	2	
1823		
1906		
1972	1	
1986	0	
Note: Meters for a list of DNs—DN 1308 is going to be set to three, and DN 1596 to two. Since DN 1823 and DN 1906 have no value typed beside them, the last value input, two, will be used. If the meter value you want for the next line is the same, you can leave it out. So DN 1823 and 1906 will also be set to two. Since the meter value desired for DN 1972 is different, it must be entered. When entering values in a list like this, use 0 rather than ZERo (see last line). Note that this example shows only the input you type, as if the confirm option is turned off (see "Define options for the Set command" on page 17).		

Erase meters (set to zero)

You can use your terminal to set meters in your system to zero. You can do this for a single DN, a group of consecutive DNs, or all DNs.

- To set the meter for one DN to zero:

SEt MEter dn ZEro <CR>

- To set the meters for a group of consecutive DNs to zero:

SEt MEter dn1 dn2 ZEro <CR>

- To set the meters for all DNs to zero:

SEt MEter ALl ZEro <CR>

- To set the Customer meter to zero:

SEt MEter CUstomer ZEro <CR>

- To add the Customer meter to the end of a command, which sets other meters to zero:

SEt MEter 1206 ZEro CUstomer ZEro <CR>

Operating parameters

You can use X substitution (see “Define options for the Set command” on page 17).

You may not be able to SEt all DN^s at once if the ALl option is not on (see “Define options for the Set command” on page 17).

You may not be able to SEt a group of consecutive DN^s if the RANge option is not on (see “Define options for the Set command” on page 17).

All meters specified in the command are printed out, even if they were already set at zero.

When erasing the meters for a group of DN^s, the second DN entered must be a higher number than the first.

The response shown in the examples appears only if the COⁿfirm option is on (see “Define options for the Set command” on page 17).

VAlue 0 can be used instead of ZEro if you wish.

Table 22
Using the Set command to erase meters

Input Response					Comments
SEt MEter 1432 ZERo <CR>					Meter for one DN
ROOM METER	1432	DISP	3	TO DISP ZERO	DN 1432 was set to 3 but is now set to zero.
SEt MEter 1400 1410 ZERo <CR>					
ROOM METER	1400	DISP	2	TO DISP ZERO	DN 1401 was set to 2 but is now set to zero. The others were set to 1 but are now set to zero.
ROOM METER	1401	DISP	1	TO DISP ZERO	
ROOM METER	1402	DISP	1	TO DISP ZERO	
	.				
	.				
ROOM METER	1410	1		TO ZERO	
SEt MEter ALI ZERo <CR>					Meter for all DNs
ATTN METER	1000	ZERO		TO ZERO	DN 1000 was set to 0 and is unchanged.
ROOM METER	1002	1		TO ZERO	DN 1001 was set to 1 but is now set to zero.
	.				
	.				
ROOM METER	1005	3		TO ZERO	DN 1005 was set to 3 but is now set to zero.
ROOM METER	1006	10		TO ZERO	DN 1006 was set to 10 but is now set to zero.

Turn meters on and off

You can use your terminal to turn a meter or a group of meters on or off.

- To turn the meter for one DN off:

SEt MEter dn OFF <CR>

- For a group of consecutive DNs:

SEt MEter dn1 dn2 OFF <CR>

- To turn off meters for all DNs:

SEt MEter ALl OFF <CR>

- To turn a meter back on:

SEt MEter dn ON <CR>

Operating parameters

When turning the meters for a group of consecutive DNs on or off, the second DN entered must be a higher number than the first.

You can use X substitution if it is allowed (see [“Define options for the Set command” on page 17](#)). For example, **SEt MEter 2X1 OFF** turns off 201, 211, 221, 231, and so on.

The response shown in the first example appears only if the COnfirm option is on (see [“Define options for the Set command” on page 17](#)).

You may not be able to SEt all DNs at once if the ALl option is not on (see [“Define options for the Set command” on page 17](#)).

You may not be able to SEt a group of consecutive DNs if the RAnge option is not on (see [“Define options for the Set command” on page 17](#)).

The CUstomer meter cannot be turned off.

Table 23
Using the Set command to turn meters on or off

Input Response	Comments
SEt MEter 10579 Off <CR>	Meter for one DN
ROOM METER 1059 DISP 14 TO OFF	DN 1059 will now be turned off.
SEt MEter 4706 ON <CR>	DN 4706 will now be turned on.
SEt MEter 3001 3501 Off <CR>	Meters for a group of consecutive DNs DN 3001 to 3501 will now have their meters turned off.
SEt MEter ALI Off <CR>	Meters for all DNs All DNs will now have their meters turned off.

Turn individual meter display on and off

Individual meters can have their display turned on or off, so it is possible to have the meter value for a particular DN displayed whenever a change occurs, and later turn display off for that DN if no longer required.

Note that in order to display any meter changes at all, the system display option must be on.

- To turn on the display for one DN:

SEt MEter dn DIisplay (ON) <CR>

- To turn on the display for a group of consecutive DNs:

SEt MEter dn1 dn2 DIisplay (ON) <CR>

- To turn on meter display for all DNs:

SEt MEter ALI DIisplay (ON) <CR>

- To turn on display for the Customer meter:

SEt MEter CUstomer DIisplay (ON) <CR>

- To turn off display of meter changes, simply use Off instead of ON.

Operating parameters

For a group of consecutive DNs, the second DN entered must be a higher number than the first.

You may not be able to SEt all DNs at once if the ALl option is not on (see “Define options for the Set command” on page 17).

You may not be able to SEt a group of consecutive DNs if the RANge option is not on (see “Define options for the Set command” on page 17).

You can use X substitution if it is allowed (see “Define options for the Set command” on page 17). For example, **SEt MEter X01 Display Off** will turn off meter display for DN 1001, 2001, 3001, 4001, ... 9001.

You can combine this command with setting a meter value by putting DIspay ON, or Off, at the end. For example, **SEt MEter 1023 Value 10 Display Off** will set the value of DN 1023’s meter to 10 and turn off the display of meter changes for DN 1023. Do not combine it with turning a meter on or off.

Table 24
Using the Set command to turn display of meters on or off

SEt MEter 2703 Display (ON) <CR>	Meter for one DN—display turned on for DN 2703.
SEt MEter 5001 5035 Display Off <CR>	Meters for a group of consecutive DNs—display turned off for DN 5001 to 5035.
SEt MEter ALI Display (ON) <CR>	Meters for all DNs—display turned on for all DNs.

Find non-zero meters

You can use your terminal to search for meters in your system that have a reading greater than zero. Only the first non-zero meter encountered in the range you specify is printed out. To get the next one, you simply type Find again.

- To find the meter value for one DN:

Find MEter dn <CR>

- To find the first non-zero meter value for a group of consecutive DNs:

Find MEter dn1 dn2 <CR>

- To find the first non-zero meter value for all DNs:

Find MEter ALI <CR>

- To find the next non-zero meter:

Find <CR>

Operating parameters

If only one meter is requested, and its value is zero, the first higher numbered DN with a non-zero meter will be printed.

When searching a group of meters, the second DN entered must be higher than the first.

If there are no non-zero meters in the group, the terminal prints NO DATA FOUND.

A command containing FInd all by itself is valid only immediately following another FInd command that resulted in a non-zero meter (any result other than NO DATA FOUND).

Table 25
Using the Find command to find non-zero meters

Input		Response		Comments
FInd MEter	3004 <CR>			Meter for one DN
ADMN METER	3004	DISP	8	DN 3004 has a non-zero meter.
FInd MEter	9001	9025 <CR>		Meters for a group of consecutive DNs
ROOM METER	9015		23	DN 9015 is the first DN in the group with a non-zero meter.
FInd MEter ALI <CR>				Meters for all DNs
ROOM METER	1003	DISP	13	DN 1003 is the first DN with a non-zero meter.
FInd <CR>				
ROOM METER	4035		6	DN 4035 is the next DN with a non-zero meter.
FInd <CR>				
NO DATA FOUND				There are no more non-zero meters.

Print meter values

You can use your terminal to print the contents of meters in your system. This can be done for a single DN, a group of consecutive DNs, or all DNs.

- To print the meter contents for one DN:

(Print) MEter dn <CR>

- To print the meter contents for a group of consecutive DNs:

(Print) MEter dn1 dn2 <CR>

- To read the meters for all DNs:

(Print) MEter ALI <CR>

- To print the Customer meter value:

(Print) MEter CUsomer <CR>

- The word CUsomer can also be added at the end of a command to print other meters, for example:

(Print) MEter ALI CUsomer <CR>

(Print) MEter 7301 7350 CUsomer <CR>

Operating parameters

When reading the meters for a group of consecutive DNs, the second DN entered must be a higher number than the first.

Any DN in the group that has not been assigned a meter, or has a meter reading of zero, will not be printed. But if you asked for only one meter, and it was turned off or had a value of zero, it will be printed.

You can use X substitution (see [“Define options for the Set command” on page 17](#)). For example

(Print) MEter 73XX <CR>

will print meters 7300-7399.

Typing four asterisks (****) will stop a job currently in progress at your terminal (for example, a long printout you realize you don’t need).

You can specify a condition at the end of the PRINT command. Only meters in the condition you name will be printed. The conditions are listed below.

Off	meters that are turned off
ZEro	meters with a reading of zero
AlI	meters in all conditions, including zero value, and turned off (normally these are not printed)
DIsplay ON	meters with their display turned on
DIsplay OFF	meters with their display turned off

For one meter:

(PPrint) MEter dn condition <CR>

For a consecutive group of meters:

(PPrint) MEter dn1 dn2 condition <CR>

For all meters:

(PPrint) MEter AlI condition <CR>

Table 26
Using the Print command for Message Registration (Part 1 of 2)

Input				Comments
Response				
(PPrint) MEter 9036 <CR>				Meter for one DN
ROOM METER	9036		3	The current meter value of DN 9036 is 3.
(PPrint) MEter 1400 1420 <CR>				Meters for a group of consecutive DNs
ROOM METER	1402	DISP	1	The current meter value of DN 1402 is 1.
ROOM METER	1408	DISP	3	The current meter value of DN 1408 is 3.
ROOM METER	1412	DISP	6	The current meter value of DN 1412 is 6.
ROOM METER	1418	DISP	2	The current meter value of DN 1418 is 2.

Table 26
Using the Print command for Message Registration (Part 2 of 2)

Input				Comments
Response				
(P)rint) METER ALI <CR>				Meters for all DNs
ADMN METER	1006	DISP	3	The current meter value of DN 1006 is 3.
				DN 1006 is an administration (ADMN) telephone. The rest are guest room (ROOM) telephones.
ROOM METER	1018		10	The current meter value of DN 1018 is 10.
ROOM METER	1021	DISP	2	The current meter value of DN 1021 is 2.
ROOM METER	1026		1	The current meter value of DN 1026 is 1.
(P)rint) METER 383 <CR>				A trunk meter
TRK METER	383		17	383 is a trunk (TRK). Its current meter value 17.
(P)rint) METER ALI OFF <CR>				All meters that are turned off.
ROOM METER	1206	OFF		
ROOM METER	1343	OFF		
ADMN METER	8946	OFF		
(P)rint) METER Customer <CR>				The Customer meter. The current value is 4832.
CUST METER		DISP	4832	Display is on.